

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 09/770,169E
Source: FENW16
Date Processed by STIC: 5/4/06

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 05/04/2006

PATENT APPLICATION: US/09/770,169E

TIME: 10:59:42

Input Set N:\Crf4\05032006\I770169D.raw
 Output Set: N:\CRF4\05042006\I770169E.raw

```

1 <110> APPLICANT: Saxon, Andrew
2     Zhang, Ke
3 <120> TITLE OF INVENTION: IMMUNOGLOBULIN CLASS SWITCH
4     RECOMBINATION
5 <130> FILE REFERENCE: 39754-0531 A
C--> 6 <140> CURRENT APPLICATION NUMBER: US/09/770,169E
7 <141> CURRENT FILING DATE: 2001-01-26
8 <160> NUMBER OF SEQ ID NOS: 115
9 <170> SOFTWARE: FastSEQ for Windows Version 4.0
11 <210> SEQ ID NO: 1
12 <211> LENGTH: 27
13 <212> TYPE: DNA
14 <213> ORGANISM: Artificial Sequence
15 <220> FEATURE:
16 <223> OTHER INFORMATION: synthetic oligonucleotide
17 <400> SEQUENCE: 1
18     ttgtccaggc cggcagcatc accggag
20 <210> SEQ ID NO: 2
21 <211> LENGTH: 31
22 <212> TYPE: DNA
23 <213> ORGANISM: Artificial Sequence
24 <220> FEATURE:
25 <223> OTHER INFORMATION: synthetic oligonucleotide
26 <400> SEQUENCE: 2
27     actcctcagt gggatggcct ctacactccc t
29 <210> SEQ ID NO: 3
30 <211> LENGTH: 22
31 <212> TYPE: DNA
32 <213> ORGANISM: Artificial Sequence
33 <220> FEATURE:
34 <223> OTHER INFORMATION: synthetic oligonucleotide
35 <400> SEQUENCE: 3
36     ctagaagctt tattgcggta gt
38 <210> SEQ ID NO: 4
39 <211> LENGTH: 24
40 <212> TYPE: DNA
41 <213> ORGANISM: Artificial Sequence
42 <220> FEATURE:
43 <223> OTHER INFORMATION: synthetic oligonucleotide
44 <400> SEQUENCE: 4
45     cgacaagctt agtttctatt ggtc
47 <210> SEQ ID NO: 5
48 <211> LENGTH: 28

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104 <213> ORGANISM: Artificial Sequence
105 <220> FEATURE:
106 <223> OTHER INFORMATION: synthetic oligonucleotide
107 <400> SEQUENCE: 11
108     cccaaactagt cttagcctga tacaacctg                                29
110 <210> SEQ ID NO: 12
111 <211> LENGTH: 27
112 <212> TYPE: DNA
113 <213> ORGANISM: Artificial Sequence
114 <220> FEATURE:
115 <223> OTHER INFORMATION: synthetic oligonucleotide
116 <400> SEQUENCE: 12
117     ttgtccaggc catcagcatc actggag                                27
119 <210> SEQ ID NO: 13
120 <211> LENGTH: 25
121 <212> TYPE: DNA
122 <213> ORGANISM: Artificial Sequence
123 <220> FEATURE:
124 <223> OTHER INFORMATION: synthetic oligonucleotide
125 <400> SEQUENCE: 13
126     agctgtccag gaacccgaca gggag                                25
128 <210> SEQ ID NO: 14
129 <211> LENGTH: 21
130 <212> TYPE: DNA
131 <213> ORGANISM: Artificial Sequence
132 <220> FEATURE:
133 <223> OTHER INFORMATION: synthetic oligonucleotide
134 <400> SEQUENCE: 14
135     gttgatagtc cctggggtgt a                                21
137 <210> SEQ ID NO: 15
138 <211> LENGTH: 25
139 <212> TYPE: DNA
140 <213> ORGANISM: Artificial Sequence
141 <220> FEATURE:
142 <223> OTHER INFORMATION: synthetic oligonucleotide
143 <400> SEQUENCE: 15
144     tgtcccttag aggacaggtg gccaa                                25
146 <210> SEQ ID NO: 16
147 <211> LENGTH: 24
148 <212> TYPE: DNA
149 <213> ORGANISM: Artificial Sequence
150 <220> FEATURE:
151 <223> OTHER INFORMATION: synthetic oligonucleotide
152 <400> SEQUENCE: 16
153     tctagacaag gggacactgct catt                                24
155 <210> SEQ ID NO: 17
156 <211> LENGTH: 29
157 <212> TYPE: DNA
158 <213> ORGANISM: Artificial Sequence

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159 <220> FEATURE:
160 <223> OTHER INFORMATION: synthetic oligonucleotide
161 <400> SEQUENCE: 17
162     ttatcccagc agaactcagt ttaaatcac                                29
164 <210> SEQ ID NO: 18
165 <211> LENGTH: 22
166 <212> TYPE: DNA
167 <213> ORGANISM: Artificial Sequence
168 <220> FEATURE:
169 <223> OTHER INFORMATION: synthetic oligonucleotide
170 <400> SEQUENCE: 18
171     gcccagttca gttaacctca ac                                22
173 <210> SEQ ID NO: 19
174 <211> LENGTH: 40
175 <212> TYPE: DNA
176 <213> ORGANISM: Homo sapiens
177 <400> SEQUENCE: 19
178     tgggctgagc tgggctgggc tgggctgggc tgagcgggtc                                40
180 <210> SEQ ID NO: 20
181 <211> LENGTH: 40
182 <212> TYPE: DNA
183 <213> ORGANISM: Homo sapiens
184 <400> SEQUENCE: 20
185     tgggctgagc tgggctggtg gaaggcagga cgagcagggg                                40
187 <210> SEQ ID NO: 21
188 <211> LENGTH: 39
189 <212> TYPE: DNA
190 <213> ORGANISM: Homo sapiens
191 <400> SEQUENCE: 21
192     cagccacagg tgagcaggcc gtgagcagac gagcagggg                                39
194 <210> SEQ ID NO: 22
195 <211> LENGTH: 40
196 <212> TYPE: DNA
197 <213> ORGANISM: Homo sapiens
198 <400> SEQUENCE: 22
199     ctaacaggct gaactggct gagctgagct gaactggct                                40
201 <210> SEQ ID NO: 23
202 <211> LENGTH: 40
203 <212> TYPE: DNA
204 <213> ORGANISM: Homo sapiens
205 <400> SEQUENCE: 23
206     ctaacaggct gaactggct ggcaggagct ggtagttgc                                40
208 <210> SEQ ID NO: 24
209 <211> LENGTH: 40
210 <212> TYPE: DNA
211 <213> ORGANISM: Homo sapiens
212 <400> SEQUENCE: 24
213     tcactcagct cctagattt ggcaggagct ggtagttgc                                40
215 <210> SEQ ID NO: 25

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/770,169E

DATE: 05/04/2006
TIME: 10:59:42

Input Set : N:\Crf4\05032006\I770169D.raw
Output Set: N:\CRF4\05042006\I770169E.raw

216 <211> LENGTH: 40
217 <212> TYPE: DNA
218 <213> ORGANISM: Homo sapiens
219 <400> SEQUENCE: 25
220 ttgaactggg ttgagctgag ctgagctgag ctgggctaag 40
222 <210> SEQ ID NO: 26
223 <211> LENGTH: 40
224 <212> TYPE: DNA
225 <213> ORGANISM: Homo sapiens
226 <400> SEQUENCE: 26
227 ttgaactggg ttgagctgag cagagcagag gccactgagg 40
229 <210> SEQ ID NO: 27
230 <211> LENGTH: 40
231 <212> TYPE: DNA
232 <213> ORGANISM: Homo sapiens
233 <400> SEQUENCE: 27
234 cgttcacgga gctgacccag cagagcagag gccactgagg 40
236 <210> SEQ ID NO: 28
237 <211> LENGTH: 39
238 <212> TYPE: DNA
239 <213> ORGANISM: Homo sapiens
240 <400> SEQUENCE: 28
241 tgggctgggc tgagcggtct agcgggctga gctgagctg 39
243 <210> SEQ ID NO: 29
244 <211> LENGTH: 40
245 <212> TYPE: DNA
246 <213> ORGANISM: Homo sapiens
247 <400> SEQUENCE: 29
248 tgggctgggc tgagcggtc agcctcctgg tgccgggaag 40
250 <210> SEQ ID NO: 30
251 <211> LENGTH: 40
252 <212> TYPE: DNA
253 <213> ORGANISM: Homo sapiens
254 <400> SEQUENCE: 30
255 ggctggtaa agtgcagtgc agcctcctgg tgccaggaag 40
257 <210> SEQ ID NO: 31
258 <211> LENGTH: 40
259 <212> TYPE: DNA
260 <213> ORGANISM: Homo sapiens
261 <400> SEQUENCE: 31
262 aggagctga cccagcagag cagaggccac tgaggagctg 40
264 <210> SEQ ID NO: 32
265 <211> LENGTH: 40
266 <212> TYPE: DNA
267 <213> ORGANISM: Homo sapiens
268 <400> SEQUENCE: 32
269 aggagctga cccagcagag ctgagcgaaa ccgagcgaaa 40
271 <210> SEQ ID NO: 33
272 <211> LENGTH: 39

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 05/04/2006
PATENT APPLICATION: US/09/770,169E TIME: 10:59:43

Input Set : N:\Crf4\05032006\I770169D.raw
Output Set: N:\CRF4\05042006\I770169E.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:111; N Pos. 1

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/770,169E

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TIME: 10:59:43

Input Set : N:\Crf4\05032006\I770169D.raw

Output Set: N:\CRF4\05042006\I770169E.raw

L:6 M:270 C: Current Application Number differs, Wrong Format

L:826 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:111 after pos.:0